

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 03-279394

(43)Date of publication of application : 10.12.1991

(51)Int.Cl.

C07H 15/04
C07H 15/10

(21)Application number : 02-078972

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(22)Date of filing : 29.03.1990

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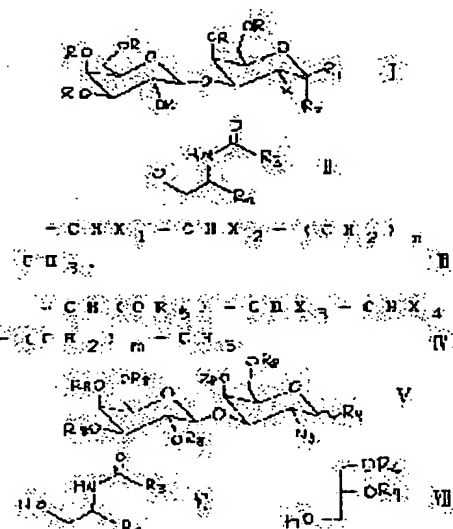
(54) GLYCOLIPID AND PRODUCTION THEREOF

(57)Abstract:

NEW MATERIAL: A compound expressed by formula I [R is H or lower acyl; X is NH₃, NHCOCH₃ or NH₂; either R₁ or R₂ is H and the other is expressed by formula II [R₃ is expressed by formula III (X₁ is H and X₂ is H, or X₁ is OR₅ and X₂ is H, etc.); R₄ is expressed by formula IV (X₃ is H and X₄ is H, or X₃ and X₄ are joined to form a double bond, etc.; R₅ is H or acetyl, etc.); n and m are 10-25], etc.].

USE: A mammal is sensitized by said compound and produces antibody against glycolipid derivatives.

PREPARATION: An oligosaccharide expressed by formula V (R₈ is lower acyl; R₉ is OCOCH₃, F, Cl, Br, O-C(=NH)CCl₃, SCH₃ or OH) is reacted with lipid having long alkyl chain expressed by formula VI or formula VII (R₆ and R₇ are 10-25C alkyl).



LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]